

Table 8-1

**COMPARISON OF MAXIMUM SEDIMENT CONCENTRATIONS
TO SEDIMENT QUALITY BENCHMARKS
HOY'S MARINE PRELIMINARY ASSESSMENT/SITE INSPECTION
NEWPORT, OREGON**

Contaminant	Maximum Concentration Detected	Sediment Quality Benchmark (1)	PA/SI Samples Above SQB
SVOCs ($\mu\text{g}/\text{kg}$)			
Benz(a)anthracene	1,530	261	IT03SD, IT04SD, ST07SD, ST09SD, ST11SD, ST13SD
Benzo(a)pyrene	1,060	430	IT03SD, IT04SD, ST13SD
Chrysene	1,610	384	IT03SD, IT04SD, ST11SD, ST13SD
Fluoranthene	3,920	600	IT02SD, IT03SD, IT04SD, ST07SD, ST09SD, ST11SD, ST13SD
Phenanthrene	2,960	240	IT02SD, IT03SD, IT04SD, ST01SD, ST05SD, ST07SD, ST09SD, ST12SD, ST13SD
Pyrene	2,930	665	IT03SD, IT04SD, ST09SD, ST11SD, ST13SD
Inorganic Elements (mg/kg)			
Arsenic	161	8.2	IT01SD, IT02SD, IT03SD, IT04SD, ST02SD, ST03SD, ST05SD, ST06SD, ST07SD, ST08SD, ST09SD, ST11SD, ST12SD, ST13SD, ST14SD, ST15SD, ST19SD, ST21SD, ST22SD, ST23SD, ST24SD
Chromium	300	81	IT01SD, IT02SD, IT04SD, ST09SD, ST11SD, ST12SD, ST13SD
Copper	5,370	34	IT01SD, IT02SD, IT03SD, IT04SD, ST05SD, ST07SD, ST09SD, ST11SD, ST12SD, ST13SD, ST14SD, ST15SD
Lead	440	46.7	IT01SD, IT02SD, IT03SD, IT04SD, ST09SD, ST12SD, ST13SD, ST15SD
Nickel	282 JL	20.9	IT01SD, IT02SD, IT03SD, IT04SD, IT05SD, ST05SD, ST07SD, ST09SD, ST11SD, ST12SD, ST13SD, ST14SD, ST15SD, ST19SD, ST20SD, ST21SD, ST22SD, ST23SD
Zinc	4,740	150	IT01SD, IT02SD, IT03SD, IT04SD, ST09SD, ST11SD, ST12SD, ST13SD, ST15SD
PCBs ($\mu\text{g}/\text{kg}$)			
Total PCBs	290 (Aroclor 1254)	22.7	IT01SD, IT02SD, IT03SD, IT04SD, ST11SD, ST12SD, ST13SD

(1) SQBs derived from National Oceanic and Atmospheric Administration Effects Range-Low Values (Jones and Suter 1997)

Key:

PA/SI= Preliminary Assessment/Site Inspection

PCBs = Polychlorinated Biphenyls

SQB = Sediment Quality Benchmarks

SVOCs= Semi-volatile organic compounds

$\mu\text{g}/\text{kg}$ = Micrograms per kilogram

mg/kg = Milligrams per kilogram